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BOX TOP-EQUIPPED MODIFIED FULL HOUSE SYSTEM
IDENTIFIED IN MONGOLIA
NEMEGETE UULA ELINT TRACKING FACILITY, MONGOLIA

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1. (SWN) **SIGNIFICANCE:** AN UNUSUAL MODIFICATION OF THE FULL HOUSE RADIO INTERCEPT/DIRECTION FINDING SYSTEM WAS RECENTLY DEPLOYED AT NEMEGETE UULA ELINT TRACKING FACILITY.
2. (SWN) **REMARKS:** A BOX TOP-EQUIPPED MODIFIED FULL HOUSE RADIO INTERCEPT/DIRECTION FINDING (RI/DF) SYSTEM WAS IDENTIFIED AT NEMEGETE UULA ELINT TRACKING FACILITY, [REDACTED] THE INTERCEPT SYSTEM CONSISTED OF A BOX TOP RI/DF VAN CABLE CONNECTED TO SEVEN ADCOCK ANTENNAS (FOUR ADCOCK ANTENNAS FORM A SQUARE FOUR ARRAY) AND SEVEN MONOPOLES (EIGHT MONOPOLES FORM A TALL RODS ARRAY). THIS INTERCEPT SYSTEM WAS ORIENTED [REDACTED] IN A FAN-SHAPED CONFIGURATION CONSISTING OF AN OUTER ROW OF SEVEN ADCOCK ANTENNAS AND AN INNER ROW OF SEVEN MONOPOLES. THE CONVENTIONAL FULL HOUSE SYSTEM CONSISTS OF A BOX TOP/ZIL RECEIVER VAN CABLE CONNECTED TO TWO CIRCULAR ARRAYS OF TALL RODS AND SQUARE FOUR ANTENNAS. THE COMBINATION OF THESE ANTENNAS FORM THE SOVIET'S MOST WIDELY DEPLOYED OMNIDIRECTIONAL INTERCEPT SYSTEM.

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(SWN) **ANALYSTS COMMENTS --** THIS DISTINCT FAN-SHAPED PATTERN HAS BEEN OBSERVED ONLY TWICE PREVIOUSLY; FIRST AT TORGAU ARMY BARRACKS KAVALLERIE 261 [REDACTED] AND AT ODESSA ARMY BARRACKS PROTOPOPOVKA AL-11 [REDACTED]

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[REDACTED] ON BOTH OCCASIONS IMAGE INTERPRETABILITY PREVENTED THE IDENTIFICATION OF ANTENNA TYPES; HOWEVER, THE DISTINCT FAN-SHAPED PATTERN WAS EVIDENT. ANTENNA ORIENTATION WAS 225 DEGREES AT BOTH FACILITIES. THIS BOX TOP-EQUIPPED MODIFIED FULL HOUSE SYSTEM IS ESTIMATED TO PROVIDE THE SOVIETS WITH A UNIDIRECTIONAL AUTOMATED INTERCEPT SYSTEM. [REDACTED]

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3. (S) [REDACTED] COORDINATES 43-00-10N 101-17-05E

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WARNING NOTICE
Intelligence Sources
and Methods Involved

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